

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
15 July 2004 (15.07.2004)

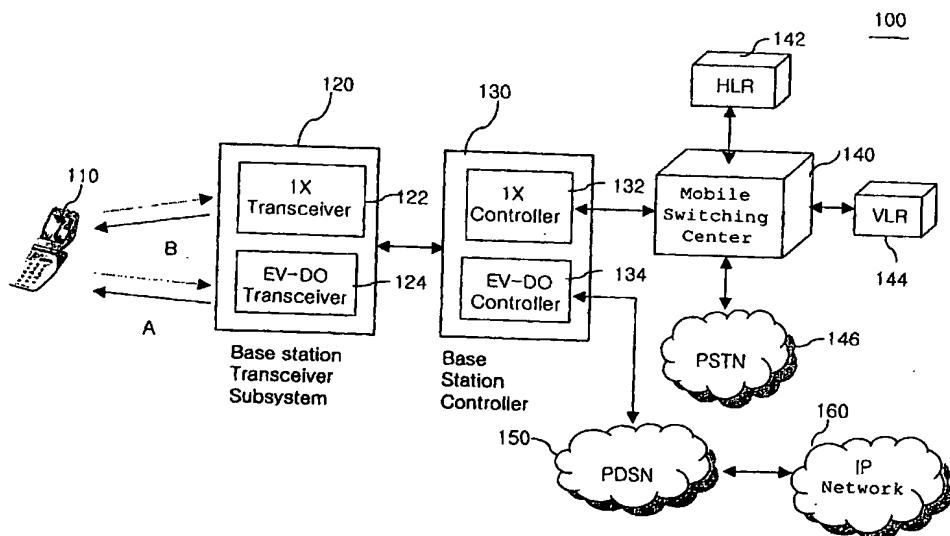
PCT

(10) International Publication Number
WO 2004/059886 A1

- (51) International Patent Classification⁷: **H04B 7/26**
- (21) International Application Number:
PCT/KR2003/002718
- (22) International Filing Date:
12 December 2003 (12.12.2003)
- (25) Filing Language:
Korean
- (26) Publication Language:
English
- (30) Priority Data:
10-2002-0088088
31 December 2002 (31.12.2002) KR
- (71) Applicant (for all designated States except US): **SK TELECOM CO., LTD. [KR/KR]; 99, Seorin-dong, Jongro-gu, 110-110 Seoul (KR).**
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BYUN, Jaewan [KR/KR]; 212-302 Baekma Apt., 739, Madu-dong, Ilsan-gu, Goyang-si, 411-810 Gyeonggi-do (KR). LEE, Jaemoon [KR/KR]; 247-104 Jugong2-danji, Jam-sil-dong, Songpa-gu, 138-912 Seoul (KR). CHOI, Jintae [KR/KR]; 212-302 Baekma Apt., 739, Madu-dong, Ilsan-gu, Goyang-si, 411-810 Gyeonggi-do (KR).**
- [KR/KR]; 2F, 93-137, Heukseok 3-dong, Dongjak-gu, 156-859 Seoul (KR). KIM, Namgyu [KR/KR]; 101-1308 Hyosungchungsol Apt., Sam-dong(Bugok-dong), Ui-wang-si, 437-724 Gyeonggi-do (KR). KIM, Beyongsu [KR/KR]; 102-601 Bukhankangsungwon Apt., 422, Ichon-dong, Yongsan-gu, 140-031 Seoul (KR).
- (74) Agents: **LEE, Chulhee et al.; 14F., Hyundai Marine & Fire Insurance Bldg., 646 Yeoksam-dong, Gangnam-gu, Seoul, 135-080 (KR).**
- (81) Designated States (national): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.**
- (84) Designated States (regional): **ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,**

(Continued on next page)

(54) Title: **METHOD AND SYSTEM FOR RECOVERING FROM HAND-OFF FAIL FOR USE IN CDMA 2000 1XEV-DO SYSTEM**



(57) Abstract: A multimedia mobile communication system for recovering a handoff failure comprises: a hybrid access terminal; a base station transceiver subsystem for transmitting and receiving the voice and the data; a base station a mobile switching center a 1xEV-DO transceiver; and an access network controller for controlling the handoff by transmitting a traffic channel assignment signal when there is no response from the hybrid access terminal upon receiving the route update signal from the hybrid access terminal and transmitting the traffic channel assignment signal in response to the route update signal and a packet data serving node.



SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*